PAGE: 1

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION   *US/09/095,478*

DATE: 06/17/98
TIME: 10:45:42

INPUT SET: S26785.raw

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

```
 1                                    SEQUENCE LISTING
 2
 3   (1)      General Information:
 4                                                          ENTERED
 5
 6        (i)   APPLICANT:                Plowman, Gregory
 7
 8
 9       (ii)   TITLE OF INVENTION:       NOVEL PROTEIN TYROSINE
10                                        PHOSPHATASE SuPTP05 AND
11                                        RELATED PRODUCTS AND
12                                        METHODS
13
14
15      (iii)   NUMBER OF SEQUENCES:      25
16
17
18       (iv)   CORRESPONDENCE ADDRESS:
19
20              (A)    ADDRESSEE:         Lyon & Lyon
21              (B)    STREET:            633 West Fifth Street
22                                        Suite 4700
23              (C)    CITY:              Los Angeles
24              (D)    STATE:             California
25              (E)    COUNTRY:           U.S.A.
26              (F)    ZIP:               90071-2066
27
28
29        (v)   COMPUTER READABLE FORM:
30
31              (A)    MEDIUM TYPE:       3.5" Diskette, 1.44 Mb
32                                        storage
33              (B)    COMPUTER:          IBM Compatible
34              (C)    OPERATING SYSTEM:  IBM P.C. DOS 5.0
35              (D)    SOFTWARE:          FastSEQ for Windows 2.0
36
37
38       (vi)   CURRENT APPLICATION DATA:
39
40              (A)    APPLICATION NUMBER:
41              (B)    FILING DATE:
42              (C)    CLASSIFICATION:
43
44      (vii)   PRIOR APPLICATION DATA:
45
46              (A)    APPLICATION NUMBER:
```

INPUT SET: S26785.raw

```
47                    (B)  FILING DATE:
48
49
50       (viii)  ATTORNEY/AGENT INFORMATION:
51
52               (A)  NAME:                      Warburg, Richard J.
53               (B)  REGISTRATION NUMBER:       32,327
54               (C)  REFERENCE/DOCKET NUMBER:   224/115
55
56
57        (ix)  TELECOMMUNICATION INFORMATION:
58
59               (A)  TELEPHONE:                 (213) 489-1600
60               (B)  TELEFAX:                   (213) 955-0440
61               (C)  TELEX:                     67-3510
62
63
64
65   (2) INFORMATION FOR SEQ ID NO:  1:
66
67         (i) SEQUENCE CHARACTERISTICS:
68
69               (A)  LENGTH:                    426 amino acids
70               (B)  TYPE:                      amino acid
71               (C)  STRANDEDNESS:              single
72               (D)  TOPOLOGY:                  linear
73
74        (ii) MOLECULE TYPE:                    Peptide
75
76        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  1:
77
78   Met Ser Ser Pro Arg Lys Val Arg Gly Lys Thr Gly Arg Asp Asn Asp
79    1           5                  10                  15
80
81   Glu Glu Glu Gly Asn Ser Gly Asn Leu Asn Leu Arg Asn Ser Leu Pro
82               20                  25                  30
83
84   Ser Ser Ser Gln Lys Met Thr Pro Thr Lys Pro Ile Phe Gly Asn Lys
85           35                  40                  45
86
87   Met Asn Ser Glu Asn Val Lys Pro Ser His His Leu Ser Phe Ser Asp
88       50                  55                  60
89
90   Lys Tyr Glu Leu Val Tyr Pro Glu Pro Leu Glu Ser Asp Thr Asp Glu
91   65                  70                  75                  80
92
93   Thr Val Trp Asp Val Ser Asp Arg Ser Leu Arg Asn Arg Trp Asn Ser
94               85                  90                  95
95
96   Met Asp Ser Glu Thr Ala Gly Pro Ser Lys Thr Val Ser Pro Val Leu
97               100                 105                 110
98
99   Ser Gly Ser Ser Arg Leu Ser Lys Asp Thr Glu Thr Ser Val Ser Glu
```

RAW SEQUENCE LISTING
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```
100              115                    120                      125
101
102      Lys Glu Leu Thr Gln Leu Ala Gln Ile Arg Pro Leu Ile Phe Asn Ser
103          130                 135                 140
104
105      Ser Ala Arg Ser Ala Met Arg Asp Cys Leu Asn Thr Leu Gln Lys Lys
106      145                 150                 155                 160
107
108      Glu Glu Leu Asp Ile Ile Arg Glu Phe Leu Glu Leu Glu Gln Met Thr
109                      165                 170                 175
110
111      Leu Pro Asp Asp Phe Asn Ser Gly Asn Thr Leu Gln Asn Arg Asp Lys
112              180                 185                 190
113
114      Asn Arg Tyr Arg Asp Ile Leu Pro Tyr Asp Ser Thr Arg Val Pro Leu
115          195                 200                 205
116
117      Gly Lys Asn Lys Asp Tyr Ile Asn Ala Ser Tyr Ile Arg Ile Val Asn
118          210                 215                 220
119
120      His Glu Glu Glu Tyr Phe Tyr Ile Ala Thr Gln Gly Pro Leu Pro Glu
121      225                 230                 235                 240
122
123      Thr Ile Glu Asp Phe Trp Gln Met Val Leu Glu Asn Asn Cys Asn Val
124                      245                 250                 255
125
126      Ile Ala Met Ile Thr Arg Glu Ile Glu Cys Gly Val Ile Lys Cys Tyr
127                  260                 265                 270
128
129      Ser Tyr Trp Pro Ile Ser Leu Lys Glu Pro Leu Glu Phe Glu His Phe
130              275                 280                 285
131
132      Ser Val Phe Leu Glu Thr Phe His Val Thr Gln Tyr Phe Thr Val Arg
133          290                 295                 300
134
135      Val Phe Gln Ile Val Lys Lys Ser Thr Gly Lys Ser Gln Cys Val Lys
136      305                 310                 315                 320
137
138      His Leu Gln Phe Thr Lys Trp Pro Asp His Gly Thr Pro Ala Ser Ala
139                  325                 330                 335
140
141      Asp Phe Phe Ile Lys Tyr Val Arg Tyr Val Arg Lys Ser His Ile Thr
142              340                 345                 350
143
144      Gly Pro Leu Leu Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Val
145              355                 360                 365
146
147      Phe Ile Cys Val Asp Val Val Phe Ser Ala Ile Glu Lys Asn Tyr Ser
148          370                 375                 380
149
150      Phe Asp Ile Met Asn Ile Val Thr Gln Met Arg Lys Gln Arg Cys Gly
151      385                 390                 395                 400
152
```

INPUT SET: S26785.raw

```
153    Met Ile Gln Thr Lys Glu Gln Tyr Gln Phe Cys Tyr Glu Ile Val Leu
154                405             410             415
155
156    Glu Val Leu Gln Asn Leu Leu Ala Leu Tyr
157                420             425
158
159
160
161    (2) INFORMATION FOR SEQ ID NO:  2:
162
163        (i) SEQUENCE CHARACTERISTICS:
164
165            (A) LENGTH:            463 amino acids
166            (B) TYPE:              amino acid
167            (C) STRANDEDNESS:      single
168            (D) TOPOLOGY:          linear
169
170        (ii) MOLECULE TYPE:        Peptide
171
172        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  2:
173
174    Met Ser Ser Pro Arg Lys Val Arg Gly Lys Thr Gly Arg Asp Asn Asp
175     1           5               10              15
176
177    Glu Glu Glu Gly Asn Ser Gly Asn Leu Asn Leu Arg Asn Ser Leu Pro
178            20              25              30
179
180    Ser Ser Ser Gln Lys Met Thr Pro Thr Lys Pro Val Gln Asn Lys Asn
181        35              40              45
182
183    Leu Met Lys Tyr Glu Glu His Leu Asp Ile Leu Met Val Phe Leu Leu
184        50              55              60
185
186    Ile Lys Thr Ile Trp Tyr Asn Val Phe Lys Leu Trp Lys Gly Lys Leu
187    65              70              75              80
188
189    Ile Phe Gly Asn Lys Met Asn Ser Glu Asn Val Lys Pro Ser His His
190                85              90              95
191
192    Leu Ser Phe Ser Asp Lys Tyr Glu Leu Val Tyr Pro Glu Pro Leu Glu
193                100             105             110
194
195    Ser Asp Thr Asp Glu Thr Val Trp Asp Val Ser Asp Arg Ser Leu Arg
196            115             120             125
197
198    Asn Arg Trp Asn Ser Met Asp Ser Glu Thr Ala Gly Pro Ser Lys Thr
199        130             135             140
200
201    Val Ser Pro Val Leu Ser Gly Ser Ser Arg Leu Ser Lys Asp Thr Glu
202    145             150             155             160
203
204    Thr Ser Val Ser Glu Lys Glu Leu Thr Gln Leu Ala Gln Ile Arg Pro
205                165             170             175
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/095,478*

INPUT SET: S26785.raw

```
206
207    Leu Ile Phe Asn Ser Ser Ala Arg Ser Ala Met Arg Asp Cys Leu Asn
208            180             185             190
209
210    Thr Leu Gln Lys Lys Glu Glu Leu Asp Ile Ile Arg Glu Phe Leu Glu
211            195             200             205
212
213    Leu Glu Gln Met Thr Leu Pro Asp Asp Phe Asn Ser Gly Asn Thr Leu
214        210             215             220
215
216    Gln Asn Arg Asp Lys Asn Arg Tyr Arg Asp Ile Leu Pro Tyr Asp Ser
217    225             230             235                 240
218
219    Thr Arg Val Pro Leu Gly Lys Asn Lys Asp Tyr Ile Asn Ala Ser Tyr
220                245             250                 255
221
222    Ile Arg Ile Val Asn His Glu Glu Glu Tyr Phe Tyr Ile Ala Thr Gln
223            260             265             270
224
225    Gly Pro Leu Pro Glu Thr Ile Glu Asp Phe Trp Gln Met Val Leu Glu
226        275             280             285
227
228    Asn Asn Cys Asn Val Ile Ala Met Ile Thr Arg Glu Ile Glu Cys Gly
229        290             295             300
230
231    Val Ile Lys Cys Tyr Ser Tyr Trp Pro Ile Ser Leu Lys Glu Pro Leu
232    305             310             315                 320
233
234    Glu Phe Glu His Phe Ser Val Phe Leu Glu Thr Phe His Val Thr Gln
235            325             330             335
236
237    Tyr Phe Thr Val Arg Val Phe Gln Ile Val Lys Lys Ser Thr Gly Lys
238            340             345             350
239
240    Ser Gln Cys Val Lys His Leu Gln Phe Thr Lys Trp Pro Asp His Gly
241        355             360             365
242
243    Thr Pro Ala Ser Ala Asp Phe Phe Ile Lys Tyr Val Arg Tyr Val Arg
244        370             375             380
245
246    Lys Ser His Ile Thr Gly Pro Leu Leu Val His Cys Ser Ala Gly Val
247    385             390             395                 400
248
249    Gly Arg Thr Gly Val Phe Ile Cys Val Asp Val Val Phe Ser Ala Ile
250            405             410             415
251
252    Glu Lys Asn Tyr Ser Phe Asp Ile Met Asn Ile Val Thr Gln Met Arg
253            420             425             430
254
255    Lys Gln Arg Cys Gly Met Ile Gln Thr Lys Glu Gln Tyr Gln Phe Cys
256            435             440             445
257
258    Tyr Glu Ile Val Leu Glu Val Leu Gln Asn Leu Leu Ala Leu Tyr
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/095,478*

INPUT SET: S26785.raw

Line	Error	Original Text